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No. S



TOIKE OIKE

Devoted to the interests of the undergraduates of the Faculty of Applied Science

Published every now and then by the Engineering Society of the University of Toronto

Opinions expressed are not necessarily those of the Engineering Society or its officers

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EDITORIAL . . .

Well the football season is over at last. With the final 6-6 tie in the East-West All-Star game last Saturday, the 1955 football record book finally closed. It was a fitting close for the pro league and left both ends of the country pleased with the result.

One result which was not so heartening was the Mulock Cup victory of Victoria College here at home. We hate to be pessimistic but that sure doesn't help our chances for the T. A. Reed High Point Trophy. Last year we won the Mulock Cup but lost out on the Reed Trophy to St. Mike's by a few measly points.

The race was so close that the final basketball game between St. Mike's and Jr. Skule decided the championship. St. Mike's won that one handily. This year things should be different in the basketball and hockey races but we won't have a football championship to back us up. Alas and alack! Poor Skule has a tough row to hoe from here on in.

Returning to football at Varsity the only talk on this subject around here is about next year. It is always interesting to see how many of the graduating Varsity Blues will enter pro ranks. As usual there are a few graduating Skulemen who might do well up there with the big boys. As proof, look at last year's graduates. Bob Kimoff had an excellent season with the Edmonton Eskimos and has sure picked a good team to develop with. Closer to home Bob Pinkney played well for the down and out Ottawa Club this year and seems to be enjoying his Ottawa living. Only last week on a radio interview, Tom Dublinski said that former Blue Baz Mackie is one of the coming great Argo linesmen. Apparently the jump to the Argos wasn't as tough as Bax expected. By the way, don't get confused. Baz is a P.H.E. grad. not a Skuleman. Everybody's allowed

The Calgary Stampeders doled out the dollars to quarterback Bill Stevenson and Skuleman Al Macklin this season. They both plan to be back next season. Don't forget Steve Oneschuck (remember him!), now of the Hamilton TiCats.

All in all, the former Blues seem to do well when moving up to pro ranks. This year should be no exception. Fellows like Fred Smale, Phil Montz, Bob Waugh, and a couple of other Skulemen can be expected to play pro next year. Monetary wise it is the only chance to get to be repayed for months of hard work during football season. Best of luck to them!

(This is the last issue of Toike Oike until the New (This is the last issue of Toike Oike until the New Year. This year we have printed 6 issues so far, almost as many as were printed in all of last year. Last year the paper's budget was cut because of the fine levied as a result of the "freshman incident" and for this the paper suffered. This year we are back to normal however. By the way, if you have any criticisms or comments on the paper this year be sure to drop us a message. Write them down and give them to the girls in the Stores. We won't mind! Honest, fellows!)

CONVOCATION HALL, SATURDAY NIGHT



Cyril N. Hoyler will be at Convocation Hall on Saturday, Dec. 10, at 8.15 P.M., to give a demonstration and talk on the "Principles of Colour Television".

SKULE AUCTION **FINANCIAL** BUNGLE

On the balmy afternoon of Nov 4th, a large crowd of dignitaries, babes, and bulldogs gathered on the front lawn of Skule for one of the greatest auctions since the sale of the Brooklyn Bridge.

Phinnegan H. Legree, ace cigar-puffing auctioneer, from Savannah Georgia, handled the auction with the flair of professionalism. His mastery of the English language often swayed the crowd; either from respect or shock.

The LG.M.B. provided suitable and appropriate accompaniment for the goings-on, which would have lasted far into the night, had not the supply of Lieut.-Governor's signs, Speakers' chairs, McGill students, saleable Engineers and matches for Phinnegan's cigars, run out.

Nurses, who were "garnered" from the flock, and the prize of the afternoon, Lorraine Forbes, were all purchased by loyal Skulemen.

For a Faculty as poverty stricken as SP-S. the sum of \$43 was a magnificent contribution to SHARE. The 142nd annual auction was a memorable event in the academic year of every Skuleman.

It is rumoured, that Phinnegan H. Legree is holidaying with One-Eyed Benny in Bermuda.

—RALPH JONES.

-RALPH JONES.

Merry Christmas

PRIZES FOR TOIKE OIKE PHOTO AND ESSAY CONTEST **ESSAY CONTEST** PHOTO CONTEST

1st Prize - - - \$50 2nd Prize - - - \$25 3rd Prize - - - \$10

Also Three Prizes \$5 Each

DEADLINE January 20/56 Ist Prize - - - \$20 2nd Prize - - - \$10

Also Four \$5 Prices



PRIZE MONEY 150 DOLLARS IN TOIKE OIKE ESSAY AND PHOTOGRAPHY CONTESTS

Entries Must Be Submitted By January 20, 1956

Yes, this is the last issue of Tolke Oike before Christmas and it's our last chance to tell you about the mammonth Tolke Oike Essay and Photo Contests. After the expensive holidays coming up you will probably be shirted and the received in the long green for the New Year. Well, this is your chance. There are big prizes in both contests. First prize in the Essay Contest is \$50 and \$25 for the Photo Contest. Of course there are other prizes foo.

Of course there are other prizes the contest of the contest of the contest is \$50 and \$25 for the Photo Contest. Of course there are other prizes foo.

Of course there are other prizes foo.

Of course there are other prizes foo.

Of the contest is \$50 and \$25 for the Photo Contest. Of course there are the word limit in the Essay Contest from 1000 to 750 words. This means that you will have to write as much but will have to make sure that your offerts will be fairly judged. Two professors will be contest your efforts will be fairly judged. Two professors will be contest understand the professor is a subtler facet to fairly in the professor for the contest in the pro

SECOND PRIZE LAST YEAR "THE LITTLE MAN WHO IS

Have you ever been alone in a room and yet felt that someone else was there also? If you have had this eerie sensation, you will know what I am going to discuss. I propose to suggest to you that the "little man who isn't there," is there. This little man exists in the fourth dimension.

As soon as the fourth dimension is mentioned, some people will jump onto their soap-boxes and proclaim that the fourth dimension is time. They say, that, taking an airplane for example, it is necessary to know the three dimension of space and one of time. Therefore it is necessary to know the three dimension of space and one of time. Therefore it is necessary to know the three dimension of space and one of time. Therefore it is necessary to know the three dimension of space and one of time. Therefore it is necessary to know the three dimensions of space and one of time. Therefore it is necessary to know the three dimensions of the fourth dimension instead of the first dimensions length, width and height—no more and no less. Are these the only dimensions that exist? Is there possibly a fourth dimensional length, width and height—all and the length of "X" units. Also we may draw a square, give it and shall be added to the dimensional length, width and height—and more and height. The inhabitants of the country look like papers of only two dimensions, length and height. The inhabitants of this country look like papers of only two dimensions, length and height. The inhabitants of this country look like papers of only two dimensions, length and height. The inhabitants of this country look like papers of only two dimensions length and heigh

ATTENTION CLASS OF 5T6!

COME TO THE

"GRAD BALL"

Friday, Feb. 24, 1956, at The Royal York Hotel.

\$15.00 a couple.

DINING, DANCING, FAVOURS, PRESENTATIONS, NIGHT CLUB ACTS

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GET YOUR S.P.S. XMAS CARDS EARLY. NOW ON SALE IN THE STORES

85c A DOZEN

BRING IN THE YULE WITH SKULE!

YOUR CLUB NEWS

CIVIL CLUB **NEWS**

The fourth year Civil Class spent a very enjoyable weekend Montreal last month. The trip lasted four days, and by odd coincidence, the McGill-Varsity game was play-ed the same weekend. The trip proved to be very worth while with regard to experience and knowledge gained. On the way to Montreal, the Ontario Hydro's St. Lawrence Seaway Project was visited with stops being made at Iroquois and Cornwall. In Montreal, the Canada Cement Company, the Mount Royal Paving Company, and the Do-minion Bridge Company plants were all visited. Excellent receptions and guided tours were provided by all the aforementioned companies, and this added greatly to the enjoyment of the trip. The four companies were generous enough to suban extent of almost thirty dollars per person, which covered the transportation and the accommodation costs. A great deal of thanks is extended to Professors Morrison, Lord, and Huggins, who helped make this trip possible. Several other field trips have

taken place or are planned for the future. Third and fourth years have already visited the years have already visited the new T.T.C. building in the east end of Toronto, and saw one of the latest types of prestressed concrete structure. Third year recently visited the Bethlehem Steel Mills in Buffalo, and second year toured the Hydro Power Development at Niagara A field trip to Photographic Surveys Corporation on O'Connor Drive is being plan-

ned for third year also.

The Civil Club Dance has been scheduled for the Savarin on Friday, January 13. Admission will be \$2.00, and entertainment will be provided to round out an excellent evening The Civil Club has always been famous for its dances, and this year's fling should be the best yet. Tickets will be available from your class representatives, so get yours early. If you can't get a date, let Jim Burgess or Herb Cunningham know, and we'll see to it that you are sup-

plied with a real lovely.

The Civil Club is also planning to show some movies in the near future. These will be shown in room T-102, and definite times and movies will be announced later.

LEGREGEEEEEE

JIM BURGESS, Civil Club Chairman.

Merry Christmas

MINING & METALLURGY CLUB

J. A. CRAWFORD

It just seems like yesterday that we were planning and looking forward to the fall program of the club. Now it's all over, hard to believe as it may be, and there is little else to do take a look in retrospect of the events thus far and contemplate those still to come next tern

The last time I wrote to you we had had the First General Meeting at which the viceand chairman secretary-treasurer of the club were elected. The Freshman reception had been successfully also pleted-a very fine job and hats off to the Freshmen!

On October 25 was the Second General Meeting in the Debates Room at Hart House where Prof. Hewer, our Honorary Club Chairman showed some fine slides of his trip to the far east several years ago and then spoke for a while about tbe opportunities for young engi-neers in foreign countries. Prof. Hewer's magnetic personality was felt by all, particularly by some of the graduating class.

Douglas A. Pengoe, of Gaird-ner & Co. Investment Brokers on the Toronto Stock Exchange, spoke to the club on November at the third general meeting about the development and promotion of mining and metallurgical production. Although no hot market tips were dropno hot market tips were dropped, everyone present was very interested and the question period was quite extensive. I'd like you to do. Look back in During refreshments in the this article, read the dates of Great Hall after the meeting Mr. Pengoe was loaded with questions and scarcely bad time to drink his coffee.

Now that all that's off my chest there's just one last think period was quite year. I'd like you to do. Look back in the next events write them down, and be sure to come out. See you after Christmas and good luck on the exams!

The M & M annual dinner on November 24 in the Great Hall the freshman reception, field brought the Club's fall activities trips and noon hour meetings. to a close with the biggest turnout I have ever seen at any of our club's functions. There were 141 plates served which means about 90% of the club attended. That's what we'd like to see all the time. Franc Joubin was our guest and spoke on the prospects for young engineers in Canada. His speech was excellent as were Dr. Pidgeon's intro-duction of Mr. Joubin and Jack McQuat's "thank you."

As soon as the smoke has cleared after the exams in January we'll be holding our annual dance on January 13th which promises to be the best in the Club's history. On Jan. 31 and Feb. 21 the fourth and fifth gen-eral meetings will be held and a smoker and beer tour are also in the offing.

been the noon-hour movies which have been well attended and will be continued. The first one was on Anaconda's copper operations and there was also a short on Canadian geology. The second showing was of the geology and mining at Inco which was very fine. By the time you read this there will have been another movie on the production and refining of gold bullion at the Canadian Mint.

ELECTRICAL CLUB

It has been the most! Yes sir, a success feel that their efforts as far as the Electrical Club is concerned this past half year has been extremely successful. those that have been completed

Things got away to a flying start right at the beginning of the year when the freshmen won the prize in the initiation contest. The boys were really keen and the blisters that many incurred during the course their labours have been amply soother by the application of free tickets to the "Cannon Ball" (this was the prize that they won).

The mentor system set up for the assistance of freshmen has met with marked success and in the New Year some improvements will be added to increase the value of this service even further.

The first major social event of the year was the "Fall Brawl" held at the Embassy on the evening of November 9. This featured dancing, valuable prizes, (Engineering Beer Mugs) and refreshments, and was con-sidered to be a "Smashing Success", "Best Ever", by all of those who attended. Attendance those who attended. Attendance lat this event showed an increase of over 300 per cent over the comparable event last year, which is an indication of remewed club spirit that makes all those who put in a lot of hard work to make this dance

so far have been very well received by the boys taking part. Third year had a one-day trip to Hamilton to visit Stelco and Westinghouse while Second year paid a visit to A. V. Roe at Malton. First year and Fourth year field trips have not taken place yet, but will occur in the spring. Plans for First year are indefinite as yet, but it is tentatively planned that Fourth Year will take an extensive trip overing plants in (we hope) Ottawa and Montreal

In line with a new policy this year the Club will hold general meetings of interest to all students, The first meeting of this type was on Friday, December 2nd for 3rd and 4th years when Mr. B. G. Ballard of N.R.C. spoke on "Research Work at N.R.C." Mr. B. G. Balland Spoke on "Research Work at N.R.C." In the spring term it is planned to hold noon hour meetings featuring films of interest to students of all years. The dates of these meetings be announced on the Club Bulletin Board.

In summation I might say that the fall term has been huge success and your executive looks forward to an even more

(J. E. GROSSO, Chairman)

ENG. BUSINESS CLUB NEWS

ecutive have concentrated on trips and noon hour meetings. It was felt by the executive that with rugby games, and football dances, the Skule dinner and the Cannon Ball that the club members would have more than enough social activities to keep from becoming too intellectual. During the spring term, however, the executive is planning several social activities, the first of which will be the club dance on January 5th.

The spring term starts on Tuesday January 2 and for the final three days most of us will be busy competing against the faculty. Thursday afternoon ball come to the Embassy however will be the end of exams and to celebrate the occasion the Eng. Bus. Club are good luck on your pre Xmas and to the rest good having what is expected to be a exams and to the rest good having what is expected to be a competitively on those early in '56, and be busy competing against the the intermission entertainment, the Embassy after exams,

During the fall the club ex- Tickets will be available from your class rep. for the measely price of a buck and a half per couple. Those who went to last year's extravaganza may not remember the music, or their not dates, but talking to the abstainers afterwards and find-ing out what really happened, everyone agreed that it was a tremendous smash. This year's dance promises to be even ter, with the added help of alert bartenders. Fresh from exams we should all be in a real party mood ready to celebrate the relief from intellectual exams. Get your dates and tickets now and save yourself the trouble later. Everybody celebrates the con-clusion of exams so for a real ball come to the Embassy on

the Empassy will be held and a smoker and beer tour are also a terrific dance. It will be held luck on those early in '56, and at the Embassy with the fators the mous Skulehouse Four providing season and will see you all at

CHEMICAL ENGINEERING CLUB

From its record this fall one mentioned, that being the fourth would say that the Chem. Eng. year field trip which saw 61 of Club has provided a good deal the 64 fourth year students of opportunities for the inter-taking part. Field trips for the ested student to widen his out- other years have been non-look both in knowledge and in existent to this point but the social fields, but this past performance is nothing compared to what's yet to come.

There has been a very suc-cessful schedule of noon hour meetings every Wednesday, considering the fact that there are so many competing events takso many competing events tar-ing place on Wednesday noon-hour. Technical films such as "Corrosion in Action", Under-ground Arteries", Ten Thousand Feet Deep", and "Via Pipeline". have been interspersed technical and non-technical speakers including Dr. K. A. West of Canadian Oil, Dr. C. B. Peeves of McGill University, and Mr. George Eaton of East man Kodak.

The dinner meeting was tended by about ninety students and from the amount of beer sold it was a success too. While speaking of social events, the biggest one of all should be

staff feels that the spring term is the time for such things so there are a good number of them coming up in January February. The Chem. Club has formed a committee to work on field trips with the hope of having more than there have been in the past. Club has also The Chem.

helped the students financially by selling over \$400 worth of text books at greatly reduced prices through connections with the business world.

Now to mention some of the

events in the spring term that are coming up. There is the Chem. Eng. Dance at the Embassy on February 3, Nurse-neering on January 20, the neering on January 20, the Chem. Eng. Dinner in early March, and of course, the noon hour meetings. The better part of the year is yet to come before that final cram session.

ENGINEERING PHYSICS CLUB

The highlight of the fall activities was the fourth year field trip to Ottawa on October 27. The class toured the Radiophysics division of D.R.B. Thursday afternoon and all day Friday was spent at N.R.C. Friday was spent at N.R.C. Saturday saw the group headed for Kingston for the Queen's game after which, each carload wended its way home.

The first year class, which of course now includes aeronauti-cal, had an interesting evening tour of the Institute of Aero

The annual "Tea Party" was

education by winning the boat race by a full cup.

Plans for next term include a general meeting early in January and a smash-up dinner later in the term. Further details will



GRAD BALL Coming

Attention all those in 5T61 Plans are rapidly being completed for the biggest and best grad ball ever. This extravaganza of magnificent engineering proportions is being held on Friday, February 24, at the Royal York Hotel.

Included in the evening's and morning's entertainment (that's right; it goes to at least 3 A.M.), are dining, dancing, wining, night club acts, favours and presentations. Dinner for you and your beloved is a multicourse affair served with the finest vintage wines (Catabaw?) There is dancing to two orchestras, one of them being Benny Louis. Plans are being made to obtain a top flight night club act. There will be presentation, of awards to those who have distinguished themselves in their Undergraduate Engineering careers. Favours will be distributed to all. Last but not least, there will be a bar. It is reported that the Royal York has selected their most alert and experienced waiters to operate this bar.

there will be a bair. It is reported that the Royal York has
selected their most alert and experienced waiters to operate
this bar.

At fifteen dollars a couple this
evening represents one of the
biggest bargains on the campus
as this event is subsidized by
the Engineering Society. It is
suggested that you start a savings plan for this event as it is
a formal evening and necessitates the rental of a tuxedo. It
is now eleven weeks to Grad
Ball time. If you set a few dollars aside each week as "GradBall Money" then when Feb. 24
comes, you will have sufficient
cash to have one of those
REALLY BIG NIGHTS without
finding yourself short on funds
for a few weeks.

This smash is designed to be
the high-light of your S.P.S.
career. Start making plans now!

Make up a couple of tables of
your buddies, save a few dollars date up the girl you're trying to impress well in advance,
get a few good nights of sleep
just prior to the 24th, buy some
romo seltzer for the next day,
and do come to have one of
those unforgetable-nights!

BILL POLLOCK

SHARE

The SHARE campaign this year failed to meet its objective and a good deal of the blame for this may be attributed to the Engineers. The undergraduates of this faculty form the potentially most powerful group on the campus and with the backing of such a group no campaign should ever fail.

The Engineering objective in the SHARE campaign was set at \$1,288.00. This figure was arrived at by hoping to receive \$0.70 per person although \$1.00 was sought since there are in any group a number who, through their selfshness, will not make a contribution to help their less fortunate fellows. It seems unbelievable that anyone here is unable to afford \$0.70.

Through donations and the date service established by the nurses a total of \$247.23 was received.

The Auction brought in an-

ENGINEERING DRAWING AND FIELD SUPPLIES FOR ART ARCHITECTURE

DRAUGHTING ENGINEERING AND SURVEYING

STUDENT EQUIPMENT FROM

A STEEL PEN TO A DRAUGHTING MACHINE

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Offices also in-HAMILTON OTTAWA MONTREAL HALIFAX WINNIPEG EDMONTON VANCOUVER

tives of the SHARE campaign. It would then seem that the representatives of the classes where nothing was collected are unworthy of their positions since they are either too lazy or too disinterested to approach their classes for donations.

with the classes for donations.

That the classes should have been ignorant of the fact that campus the contribution to help their less fortunate fellows. It seems unbelievable that anyone here is unable to afford \$0.70.

Through donations and the date service established by the nurses a total of \$247.23 was received.

The Auction brought in another \$43.76 making the grand total acheived by 1950 Engineers as \$290.99 or 22.8% of the objective.

Since there was at least one contribution from each course, one can assume that the executive of the various clubs informed their class representa-



"In the Rockies the artist... can react to the austerity of forms, the immense rhythmic colour harmonies... after we had worked above timber a couple of times, we could no longer control ourselves below. From a great height, the country became mat. An occasional snow drift survives the summer heat and accentuates the swing of the contours. We preferred obscure mountains with a horizontal canvas to give a a horizontal canvas to give a wide base and make them appear higher." (A. Y. Jackson, commenting on the 1925 sketching trip to the Rockies with ing trip to the

The above picture and comment was taken directly from the book titled "Canadian Paintings in Hart House" published this year by the Art Committee of Hart House. It is but one reproduction of the 80 pictures illustrated in this worthy vol-

and individual.

The paintings were chosen on their individual merits and were not selected as representative of Canadian paintings. Although some of the artists names have now become well known as Canadian artists like those of the "Group of Seven", other names will remain in obscurity. The art exhibitions held in Hart House have covered a wide range of artists and many schools of painting in the hope

ume. For the last three years the members of the Art Committee and others, some connected with the university and some not, have been working on this book and after a great deal of time and effort it is now available to the house members, and anyone interested in contemporary Canadian art.

In 1922 the first two paintings were purchased and in the years since the collection has grown to over one hundred paintings. Some of the paintings were bought from proceeds from the early 20's masquerades, and from general Hart House funds, while others have been given as gifts from graduating classes and individual.

The paintings were chosen on their individual merits and were not selected as representative of Canadian paintings. Although some of the artists names have now become well known as Canadian artists like those of the "Group of Seven", other names will remain in obscurity. The art exhibitions held in Hart House have covered a wide range of artists and many schools of painting in the hope they must of necessity assume either as an intelligent citizen.

WELL-SPOKEN

The following excerpts are taken from the text of the address given by Dr. C. T. Bissell, Vice-President of the University of Toronto at the recent meeting of the Engineers' Council for Professional Development held in Hart House. The portions quoted are those which have most interest to the student engineer.

"There is unanimous agreement that the humanities and social sciences should occupy an important place in the curriculum of the engineering student. If courses in the humanities and social sciences are squeezed into a day that is otherwise solid with labs and lectures in professional courses,

Films, dancing,

tape recordings,

refreshments & entertainment

they must of necessity assume in the students' minds a secondary position.

There are two posible ways of meeting this difficulty. The first way is a familiar one, namely a pre-engineering year of two, which gives instruction in humanities and social sciences and also the basic natural sciences that an engineer needs. The argument against this is that the needs of the country for engineers are so urgent that it is wasteful to extend their period of training.

The argument is favour of

either as an intelligent citizen or as a good professional worker. At this university we have re-cently established a committee to consider the whole compli-cated question of the relation between teaching loads and the ultimate objective of a univer-sity education."

instruction in humanities and social sciences and also the basic natural sciences that an engineer needs. The argument against this is that the needs of the country for engineers are sourgent that it is wasteful to extend their period of training.

The argument is favour of this procedure is that it does give the students the benefit of more exposure to the humanities and social science and produces professional men who are more alive to their responsibilities as thinking members of society.

The second approach involves bringing back graduates to the university for a concentrated course in the humanities and social sciences after they have had a few years' experience in the profession. It would be impossible to make this a compulsory course so that my suggestion really applies only to those who have manifestel leadership in their calling."

Dr. Bissell then turned to atopic close to the hearts of every Skuleman, but for somewhat different reasons.

"We have a tendency to overload our curricular so that the student moves with melancholy clock-like precision from one class to another throughout the teaching day. I am convinced that unless a professional student has the time in which to absorb and to reflect upon basic principles, he cannot emerge

FOR CAST OF SKULE NITE 5T6 ONLY

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TONITE, FRIDAY, DEC. 9

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PROFESSIONAL RELATIONS PAGE

What Do You Know About Your Professional Associations???

Here is a review of your associations. They will form an important part in your future.

THE CANADIAN INSTITUTE OF MINING & METALLURGY

For mining and metallurgical engineers, and engineers and engineers and engineers gealogists, one of the best methods for professional advancement and far keeping informed on the Canadian Institute of Mining and Metallurgy. During the "twentiers", the Canadian Institute of Mining and Metallurgy is through a membership in the Canadian Institute of Mining and Metallurgy.

HISTORY

The first major step in the growth of the Institute came in 1898 when another of small provincial arganizations combined their resources and founded The Canadian Mining Institute, an a national basis. In the 57 years since then, the mineral industry has exponded at a fabulous rate. During the period, the Institute has established a tradition of service in the national interest and in the interest of the mineral industry as a whole. In the early years the institute was influential in the establishment of the Department of Mines in the Federal government, and since then has continually affered its guidance and advice to the government on matters affecting the industry's welfore. The period after 1920 was ane of particularly rapid expansion in the metallurgical field and it was only fit its members in the Divisions of industric surface and the institute serves its members in the Divisions of industrial metallurgical field and it was only fit.

HISTORY

Institute changed its name to The Conadian Institute of Mining and Metallurgy, and the Conadian Mining institute, to the synchronic development of the country function of the non-metallurgical development of the

THE PRESENT
Through it's meetings and especially
it's menthly bulletin, the Institute keeps
it's members abreast of the develapments in the industry, positions open,
current appointments, and events.
In Mantreal the C.I.M. has it's large
library from which volumes and periadicals can readily be shipped to members anywhere.

Membership in the CIM is not a re-quirement for professional standing, but is certainly an asset in maintaining a knawledge of current developments in the industry.

the industry.

Students may obtain membership for \$1.00, which entitles them to (1) receive the C.I.M. Bulletin, (2) receive the C.I.M. Transactions at special prices (3) obtain one copy of "Structural Geology of Canadian Ore Osposits", at a reduced rate, (4) Participate in meetings of the Institute, its Sections, Oistricts and Technical Divisions, (5) Use of the library and employment service (6) Eligibility in essay competitions for Graduate and Underrgaduate students. After graduation, these student members are eligible far direct enralment in the Institute as a Juniar Member, at a special rate of \$5.00 per annum, for 3 years this rate is alsa allawed far 3 years after receiving a moster's ar doctar's degree.

THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF THE PROVINCE OF ONTARIO

The Association was established by Provincial Statute to administer the Professional Engineers' Act. It is the body which registers, licenses, governs and disciplines all Professional Engineers in the Province in the public inter-

The Association ensures that membership in the pro-fession is restricted to those with an Engineering Degree

fession is restricted to those with an Engineering Degree and one year's satisfactory experience or five year's experience in engineering plus the passing of a set of stiff examinations for those without University training.

Committees of the Association work to advance the status and well-being of its members. Among other things, these committees set up and publish salary schedules and consulting fees, advertise the profession through public relations activities, administer two group insurance plans, establish scholarships at the Universities and publish the "Professional Engineer" bi-monthly.

Students may join the association as Undergraduate Student members and receive the publications and eligibility for the insurance and other benefits for the payment of one dollar per year.

of one dollar per year.

THE CHEMICAL INSTITUTE OF CANADA

It is the policy of the Engineering Faculty at this University that no undergraduate organization may be affiliated with any outside organization. This precents the Chemical Ensisted the changes jobs as the result of the Engineering Club from being a student chapter of the Chemical Institute of Canada although in many ways we are treated as such.

MECHANICAL CLUB NEWS

The date of the final event on the first term Mechanical Club programme rapidly approaches. After the successful completion of the freshman initiation, num-erous field trips, and the dinner and talk at the King Edward, and talk at the King Edward, comes the Mechanical Club Dance. At nine p.m. on December 10, the Boulevard Club will again welcome numerous representatives of Mechanical Engineering bent on finding a good party and alert bartenders. Past year's participants may not remember the fine music, or the atmosphere, or even their dates, but they all agree it was a good do. So to finish off your fall term with a bang, join me at the club next Saturday.

JOHN LA FLAIR, 1st Year M.C. Rep.

CANNON BALL A HUGE SUCCESS

The Cannon Ball held Dec. 2 was everything it was advertised to be. Over three hundred couples enjoyed one of the best engineering informal dances in years. Square dancing, round dancing, and soft captivating music made the dance a huge success for all that attended. The Skulehause Four were terrific as usual.

student chapter of the Chemical Institute of Canada although in any ways we are treated as such.

Student of Canada although in any ways we are treated as such.

Undergraduate Chemical Enternative of the CLIC. The gineers have the opportunity of the CLIC. Thus gaining a student member of the CLIC. Thus gaining information as well as possibly making valuable contacts with senior men in the procession.

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Upon graduation the student group insurance of the committee which organized the smosth. Under the very weard, John Wender in the profession.

Upon graduation the student is automatically transferred to guilton the student members are eligible for the excellent group enjoys all the benefits of the insurance plan sponsored by the CLIC. which is similar to

THE ELECTRICAL ASSOCIATIONS

of interest and importance to Electrical Engineers and they are namely

American Institute of Elec-

trical Engineers Institute of Radio Engineering.

The A.I.E.E. mainly appeals to those whose interest lies in the heavy current or power field, while the I.R.E. is of in-terest to those whose interests are mainly in the field of electronics and communications.

The A.I.E.E. is the organiza-tion of all electrical engineers regardless of their field of specialization. It has over 57,000 members, 109 sections and 141 student Branches. The U of T Branch began on August 1, 1946.

The object of the organization "the advancement of the theory and practice of Electrical Engineering and the Allied Sciences and the maintenance of a high professional standing among its members." By sharing information and experience in meetings and through its publications the A.I.E.E. develops men and multiplies their individual efforts many-fold. Its nearly 300 commitees tinuously at work setting stand-ards of practice, devising ways generate and disseminate technical information.

The Student Branch tries to provide opportunities for the students to participate in independent functions brought tact: about by their own initiatives. It fosters those qualities needed by the engineer which are not fully cultivated in the classroom Macdougal, IV Year.

There are two organizations and broadens his acquaintanc with the engineering world outside. The Student member of the A.I.E.E. shares its benefits and its responsibilities, becoming an active part of his pro-

> the I.R.E. that their activity lies mainly in the field of electronics and associated fields (communications etc.).

> The student branch of the Institute of Radio engineers has an active programme of meet-ings and of guest speakers. Meetings alternate with meet ings of the A.I.E.E. and are held about every two weeks. This year there have been talks the Ontariro Hydro's new "Op-erations Recorder", A typescript Germanium, and movies on Uutrasonics and vacuum tube manufacture. The last meetings manufacture. The last meetings was on November 25th and had Mr. A. G. Katz from Westinghouse speaking on "The Control of Guided Missiles." Other talks are planned on scatter transmission, radar, and high fidelity.

It may be concluded therefore that the organization which the student joins will depend great-ly upon the field in wheih his interests lie. It would be preferable if the student could join both organizations if possible, so that the scope of his knowledge may be as wide as possible.

For further information, con-

A.I.E.E.—Prof. G. F. Tracey, Alex Canzi, IV Year.

ENGINEERING INSTITUTE OF CANADA

The Engineering Institute of Canada was founded in 1887 and has a nation-wide membership. The purpose of the Institute is to facilitate the acquirement and interchange of professional knowledge among its members and to develop and maintain high standards in the profession.

All students are welcome to attend the fortnightly meetings of the Toronto Branch of the E.I.C. At these meetings papers on engineering subjects are presented. The Institute also sponsors Professional Development Courses for engineers in the first years after graduation.

The publication of the Institute is The Engineering Journal (Monthly) which not only publishes technical papers of general interest, but also news of the branches and personal items.

The Institute operates for its members an employment service and a technical library.

Membership in the E.I.C. is advantageous to the student in that it helps round out his engineering education, discover career possibilities and establish contacts with graduate members of the Profession.

HART HOUSE NEW YEAR'S EVE BALL

Great Hall, Hart House

Dancing, Entertainment, Balloons, Noisemakers, Swimming, Refreshments and all the trimmings

Tickets \$7.50 per couple

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HART HOUSE NEWS

Once a month the house committee has a Sunday afternoon open house. This month the open Sunday will be held on December 11th and it is an ideal opportunity for you to give your folks and gals a chance to have a look at Hart House and some of its well known coast to coast features. The doors are opened from 2 to 5 and there will be house committee representatives there to greet you and take you on a tour if you so désire, or you may wander around at your own leisure. Tea will be served from 3 to 4 giving you a chance to enjoy the House's hospitality. The Christmas decorations will be up and a pianist will The Christmas decorations will be up and a pianist will provide light background music. An exhibit of British water color paintings in the basement art room which is rated as excellent by competent artists will be open for your enjoyment. The Tea Room off the reading room which is usually locked, and contains the valuable Tea Art Collection will also be open and provides an excellent opportunity for you to show this asset of the house to your friends. The atmosphere is pleasantly informal and it is an ideal time for you to see and enjoy the house at its best.

ideal time for you to see and enjoy the house at its best.

Also I would like to bring your attention to the Christmas Party on the night of December 15th. The fire-place will be lit and a huge decorated Christmas tree will occupy one of the corners of the Great Hall where the festivities take place. The evening's entertainment consists of each faculty giving a "gift" to another faculty which is invariably accompanied by a skit or poem. This year our faculty will be giving a "gift" to POT and to nursing and you may be assured that the proper respect will be paid in keeping with our close relationship to "our girls". The Glee Club will also be entertaining us and Santa Claus and a Christmas story will complete the evening's program. Your chance to participate by singing several 'Christmas carols while you are sitting on the floor on a steamer rug with your doll will give you an opportunity to personally share in the pleasant evening programme.

Before the activities commence in the Great Hall, there

Before the activities commence in the Great Hall, there will be an invitation dinner. The dinner will be in the usual style of weekday dinners but a special menu will be available for you to eat as much or as little as you desire. The dinner and evening is open to all club members and their guests. So whether you prefer to come stag or drag I highly recommend the Varsity Christmas Tree as one of the highlights of the festive season.

FRED HAYWOOD

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Blue & White "Christmas Party"

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THURSDAY, DEC. 15th, 1955

Great Hall, Hart House

Faculty gift exchange, Santa Claus, Glee Club Christmas Carols, a whole evening of entertainment

COME STAG OR DRAG

Also Invitation Dinner for members of Hart House and guests beforehand.



JUNIOR S.P.S.

JUNIOR S.P.S.

Junior Skule was put out of the running for the Mullack Cup in a hard fought semi-final with S.M.C. The Jrish edged us out by a score of 7-0 in ten minutes overtime. S.P.S. was in a position several time to either try for a single or a field goal. They gombled on the field goal but it just didn't payoff. Evidence of the fight our men put up is the chipped ankle linemon Pascoe how were in a cost and the cut lip, requiring several stitches, received by end Borchom.

In their league gomes the freshmen really rolled. They trounced Forestry 30–6, with Postushok getting three of the majors. They beat Denis 13-5 with Adoms getting two majors, and they bed U.C. 26-5 with Reld on defensive end getting three majors, and they have furnished and intercepted a pass on the line of scrimmage. Against Meds it was 23-5, with two majors and three converts for Whitmore.

Merry Christmas

SENIOR FOOTBALL

Looking back on the gridiron wars o one would have to admit that the season was only mediumly successthough both skule teoms did make the semi-finals it was a rather disappointing season compared to the success of the last two years.

Although Senior SPS started very poorly they ended with a flourish but not quite enough. They showed the power of the former Mulock Cup teom in the playoffs by romping over Trinity (23-6) and W.C. (27-7). The loss to Vic in the semis by a score of 10 to 11 was very disappointing but as the scare indicates they gove Vic a much tougher gome than the finals with St. Mikes which Vic won by a 23-6 count.

Vic caught Senior SPS by surprise in that game, when on the first scrimmage after receiving the opening kick-

was Vie's option ploys around and that were so difficult to stop with Eber-hordt, Williams and Bertram running them very well. One fellow in a blue uniform stood out greatly in both play-offs games and that was Ken Selby. Big Bob Masterson was watching the gomes too,and if Ken doesn't get a chance with the Blues next year Big Bob needs his head read.

It seems only fitting that in any resumé of an unsuccessful season an analysis of why the season was not successful should be included. Probably the biggest reason was that the team was not really hungry for the championship. This is the natural feeling after bring-ing the Mulack Cup to SPS for two consecutive seasons, and this sort of thing has been proven time and time again in every field of sport. Victoria was really fired up since they had not won the championship for a number of years, and they were running and blocking like a hungry team always

Things do look good for next year off they send Williams around left end though with a lot of good talent com-on a pitchout and he went oil the way ing up from the Juniors (they wuz off they send Williams around let end inough with a let by good on a pitchout and he went all the way ing up from the Juniors (they wux for a TD. That one defensive lapse robbed this year), and with a little spelled defect for the old blue and more of that old skule spirit the gold for after that the play was quite Mulock should be back at home in even but we couldn't equalize that SPS come next Christmos. robbed this year), and with a little more of that old skule spirit the

HOCKEY-

By Bill Pollock

Sr. School started the season inauspiciously by dropping a 3-1 verdict to St. Mike's Soint Mikes got off to a 3-0 lead in the first period before Skule could get untrocked. Skule scored once in the second period and managed to hold St. Mike's storoless.

The game was marred by the injury of high-scoring centre John Hubicki. Hubicki separated his shoulder on the first play of the game. Hugh Gerrord suffered on ankle Injury and will be out for an indefinite period. Gooler Cannie lister was Skule's standout. His stellar work in the first period prevented St. Mikes from piling up a big lead as the Skule defence were leoving men uncovered in front of the net.

Despite the loss, Skule showed promise of developing into a strong contender, and will probably be around when Jennings Cup Playoff times comes.

SPORTOIKE

By Doug. Ward.

This being our Christmas issue we would like to extend plaudits and congratulations to all those students who helped once again this fall to make S.P.S. a name to be respected in the athletic fields of this University. Whether you had an active participation, did worthwhile work managing or coaching, or were simply joe fan your contribution did not go unnoticed.

First of all to the ironmen who played, or are playing intercollegiate sports. No one can appreeciate just how much time and effort goes into the conditioning and training for these teams unless they have played themselves. The memories and experiences gained, however, either from the games themselves or the parties afterwards, will we are sure last a lifetime! Any attempt to exhalt a few of the S.P.S. heros of the intercollegiate teams would not do justice to all those who through lack of space could not be named. However to all those men who have earned a place on a varsity team, Skule is proud of you and thanks you for your efforts.

Before we skip to intramural team sports special congratulations are sent to those individual type engineering stars who captured second place in the University Harries, the University Track Championship, the University Tennis Championships and second place in the Interfaculty

Tennis Championships and second place in the Interfaculty Harrier.

Now then, as for the Intramural team sports, to the best of our knowledge S.P.S. holds only one championship that arising out of the decisive defeat the engineer's Volleybali "A" team imposed on Architecture in the University League. However at this writing several teams are still in the playoffs and chances appear reasonably good for other championships. It was unfortunate that so many of our teams got to the semi-finals and then were eliminated. Those last lacrosse games were real thrillers as were the football games leading up to the Mulock cup. The large participation of the S.P.S. students in the intramural athletic programme is after all the main thing and a very creditable showing was made by all.

Taking a quick at the future, things look very good. Skule has always been noted for strong hockey, basketball and water polo teams and it appears from early reports that this year will be no exception.

Finally a personal thank you to those who have con-

that this year will be no exception.

Finally a personal thank you to those who have contributed articles for these pagees. It is our hope to have bigger and better sports coverage in the issues forthcoming but without your help all will go for naught.

To everyone a very Merry Christmas and a sporting Neew Year.

DAFFYNITIONS

Sweater girl-one who pulls your eyes over the wool.

Bedroom—the battlefield of honour Bosom—the two things that put a girl out in front.

Brother—a fellow who's afraid his sis-ter will meet a guy like him.

Bad Luck—a breeze that blows a cin-der in your eye and a dress up at the same time.

lover—a guy with the paws that refreshes.

LACROSSE

Both S.P.S. I and S.P.S. II reached the semi-finals before finally being eliminated.

The best game of the intramural secson was the final gome between the S.P.S. I and U.C. I. From the very stort it was a see-saw battle with first Boz Mackie driving one by Bob Stozer in the S.P.S. net. Falby tied the score o minute later. Bruce Ree sent U.C. in front once ogain but Larry Ruse knotted the score by outwitting Blyth, Brown, the U.C. gooltender. Another U.C. gool was quickly countered with Falby's second for the day. A U.C. penalty was copitalized on by S.P.S. when they ran the score up to 7-3. Ruse then went crozy getting 3 in a row making 6 all together—giving S.P.S. a commonding d of 10-4.

U.C. then storted to turn on the steom and to the dismay of the packed house the score was soon fied 11-11 with S.P.S.'s only counter coming again with S.P.S.'s only counter coming again from Mr. Ruse. However all appeared to be going well again when Wavry-chuk and Falby put us two goals up. It must be conceded however that this fellow Allan for U.C. Is a pretty foir lacrosse player. His next hot-shot goal was a real crowd pleaser even if the crowd was predominately S.P.S. favour-

or seemed to take the steam out of our boys and U.C. went on to take the lead 16-13. S.P.S. started to go again towards the end but there just wasn't enough time. Final score U.C. 17, S.P.S. 16.

The S.P.S. II teom also provided a thrilling finish against a heavily favour-ed St. Mike's team. St. Mike's rolled up a big lead early in the game which up a big lead early in the game which proved to be a little too much for the lit's to overcome. Clare Fisher, Lonsky, Jimmie Park, Ralph Caswell and the others all played well for Skule. John Stroz provided some breathless good tending (that is the few times he stoyed

SCHOOL AT HOME

Jan 26th, 1956

Yes its a long way off but we need help

It's the biggest and best dance of the year and because of this the committee must get organized before Christmas. With the organization completed in the fall the committee will be able to shift into high first thing in the new year.

Are you interested in publicity, decorations, tickets or organization?? If you are leave your name on the form on the counter in the Engineering Stores.

We need your help! We need your ideas!

